

Title (en)

Apparatus for automatic positioning of stockings in a panty hose sewing machine.

Title (de)

Vorrichtung zum automatischen Positionieren von Strümpfen in einer Strumpfhosennähmaschine.

Title (fr)

Dispositif pour le positionnement automatique des bas dans une machine pour coudre les collants.

Publication

**EP 0560735 B1 19951025 (FR)**

Application

**EP 93830068 A 19930224**

Priority

IT FI920067 A 19920313

Abstract (en)

[origin: US5309853A] Apparatus for the automatic positioning of stockings in a pantyhose-sewing machine, with detection of the garter line 17, and including two binate stocking-holding shapes 13, each of which has two horizontal articulated arms 10 extended ends joined by a nylon bow 7, wherein the stems 71, 72 of the bow 7 are slidably housed within the arms 10, 30 of the clamp 13, a driving and guiding device being provided inside the arm 10 of the clamp 13, with a bored rod 4 on top of which one stem 71 of the bow 7 is fixedly engaged; the foot of the other stem 72 being loosely received in a hole 11 of the other arm of the clamp 13; with a hose 1 fixedly fitted on a second hose 2 internally gauged for guiding the shoe 5 of the rod 4, on top of the hoses a bush 3 being fixed for guiding the end of the rod 4; with a thrust spiral spring 5 fitted on the rod 4 inside the hose 2 and suitably pressed between the bush 3 and the shoe 5 of the rod 4; and with a device for driving the retraction or withdrawal of the stretching bow 7 of out of the arms of the clamp 13.

IPC 1-7

**D05B 23/00**

IPC 8 full level

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CPC (source: EP US)

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**US 5309853 A 19940510**; CA 2091532 A1 19930914; DE 69300688 D1 19951130; DE 69300688 T2 19960704; EP 0560735 A1 19930915; EP 0560735 B1 19951025; IT 1259630 B 19960325; IT FI920067 A0 19920313; IT FI920067 A1 19930913; JP 2542322 B2 19961009; JP H06205886 A 19940726; MX 9301383 A 19940831

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**US 3057093 A 19930312**; CA 2091532 A 19930311; DE 69300688 T 19930224; EP 93830068 A 19930224; IT FI920067 A 19920313; JP 8003593 A 19930315; MX 9301383 A 19930312